AMENDMENT TO THE CLAIMS

1. Cancelled.

2. Cancelled.

3. Cancelled.

4. Cancelled.

5. Cancelled.

6. Cancelled.

7. Cancelled.

8. Cancelled.

9. Cancelled.

10. Cancelled.

11. Cancelled.

12. Cancelled.

13. Cancelled.

17. Cancelled

23. Cancelled

14. (Currently Amended) A method for mapping performance and flow analysis of a communication network having devices connected by links for display on a display device, comprising:

storing in a memory a graphical representation of the communication network and showing the devices connected by links;

storing in a memory data representing performance and flows in the communication network;

storing a plurality of symbols representing different devices and a plurality of edges representing links;

selectively mapping the data on the graphical representation of the communication network by varying visual characteristics of the symbols and the edges responsive to the performance and flows in the communication network to build a graphical display; and

displaying the graphical display on a video display device, wherein the displayed edges comprise bidirectional arrows for oriented metrics and varying visual characteristics of the bidirectional arrows comprises varying thickness of the arrows and contact point of the arrows.

19. (Currently Amended) A system for mapping performance and flow analysis of a communication network having devices connected by links, comprising:

a first memory for storing a graphical representation of the communication network and showing the devices connected by links;

a second memory storing data representing performance and flows in the communication network;

a third memory storing a plurality of symbols representing different devices and a plurality of edges representing links;

processing means for selectively mapping the data on the graphical representation of the communication network by varying visual characteristics of the symbols and the edges responsive to the performance and flows in the communication network to build a graphical display, wherein the edges comprise layered lines with each layer representing a different metric and the processing means maps the data on the graphical representation of the communication network by varying visual characteristics of each layer independently responsive to variation in performance and flows in the communication network.